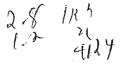
Chain of Custody Record





Severn Trent Laboratories, Inc.

STL Denver 4955 Yarrow Street Arvada, CO 80002

System State Sta	Client USGS LEPA Greg OBERIEV	Project Manager Gary 61	rell	Date 4/22/12 Lab Number	Chain of Custody Number 336033			
Project Internal Research	Address (A) V ST	Telephone Number (Area Cod	le)/Fax Number	00000000				
Containers No. and Description Containers Contain	City State Zip Code	Site Contact	Lab Contact	Analysis (Attach list if	Fage UI			
MW Ø 2 L Amber 4/22/12 3:45pm 2 V V V V V V V MW Ø 2 L Amber 4/22/12 3:45pm 2 V V V V V V V V MW Ø 2 L Amber 4/22/12 3:45pm 2 V V V V V V V V V	Project Name and Location (State)	Carrier/Waybill Number	LISA Uriel po	Day of the space is leaded of the space is le				
MW Ø 2 L Amber 4/22/12 3:45pm 2 V V V V V V V MW Ø 2 L Amber 4/22/12 3:45pm 2 V V V V V V V V MW Ø 2 L Amber 4/22/12 3:45pm 2 V V V V V V V V V	PAULLION FRACKING		308	Bareh 63				
MW Ø 2 L Amber 4/22/12 3:45pm 2 V V V V V V V V V	Contract/Purchase Order/Quote No.	Matrix	Containers & Preservatives	6 25 4 ho	Conditions of Receipt			
MW Ø 2 L Amber 4 22 2 3 45pm 2 V V V V V V V V V	Sample I.D. No. and Description (Containers for each sample may be combined on one line) Collected	Time A Air Soul		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$				
MW 2 L Amber 1/2/12 3:45pm 2 V V	MW02 1L Amben 4/22/12	3:45pm 2	 					
MW 2 L Amber 4/12/12 3:45pm 2 V V	MW02 12 Amber 4/22/12							
MW 2 500 mL Amber 4/22/12 3:45 m 1 V Filtered Field	MW82 1 L Amber 4/22/12.		<u> </u>	V				
MW 0 2								
MW 2 250 m Amber								
MW 2 40 m VOA 4 22 12 3 45 pm 2 V	2MW 02 500 ml Amber 4/22/12							
MW \$ 2 40 m VOA 4/22/12 3:45 pm 2 V Image: Control of the poison of th	MW 02 250 ml Amber 4/22/12				Filtered (field)			
MW 0 2 250 m Plastic 4/22/12 3,45pm I V Anions - B CI F So, Possible Hazard Identification Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months Indicated By Months Time Archive For Months Date Time Archive For Date Time Date	MWBZ 40mi VOA 4/22/12	3:45pm 3						
Possible Hazard Identification Non-Hazard Fiammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months (A fee may be assessed if samples are retained longer than 1 month) Turn Around Time Required QC Requirements (Specify) All Hours 7 Days 14 Days 21 Days Other VS 14 Days Date Time 2. Received By Date Time 3. Received By Date Time Time Date	MW 02 40m 1 VOA 4/22/12	3:45pm 2			(5.11)			
Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months longer than 1 month Turn Around Time Required 24 Hours 7 Days 14 Days 21 Days Other Y U S H 1. Relinquished By Date Time 2. Received By Date Time 3. Relinquished By Date Time 3. Received By Date Time Time 3. Relinquished By Date Time 3. Received By Date Time Time 3. Relinquished By Date Time Time Time Time Time Time Time 3. Received By Date Time Time	MW \$ 2 250 m Plastic 4/22/12	3;45pm 1		√	Anions - B. CI, F. Soy			
Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months longer than 1 months		<u> </u>						
Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months longer than 1 months								
Turn Around Time Required 24 Hours	1 (A tee may be assessed it samples are relained							
2. Relinquished By Date Time 2. Received By Date Time 3. Relinquished By Date Time 3. Received By Date Time	Turn Around Time Required , QC Requirements (Specify)							
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2. Relinquished By Date Time 2. Received By Date Time 3. Relinquished By Date Time 3. Received By Date Time	1. Helinquished by	1 4/23/12 10:0	Oa I. Heceived By		14/24/W900			
			2. Received By		pate Time			
	3. Relinquished By	Date Time	3. Received By		Date Time			
Comments	Comments							

Chain of Custody Record



STL Denver 4955 Yarrow Street Severn Trent Laboratories, Inc. Arvada, CO 80002

STL-4124 (0901)	
USGS FPA GREG OBARLE GARY COTRELL	2 Pate 4/22/12 Chain of Custody Number 336034
Address / Telephone Number (Area Code)/Fax Number	.\ Lab Number
1595 Wynkoop 303-236-3490	0 t 28007883 Page 1 of 2
City State Zip Code Site Contact Lab Contact	Analysis (Attach list if more pace is needed)
Then VER (0 80202 LISQ Uriell Project Name and Location (State) Carrier/Waybill Number	- 2 3 3 1 A 3 1 1 3 1
PAVICUON FRACKING	Special Instructions/ Conditions of Beceint
Contract/Purchase Order/Quote No.	Conditions of Receipt
Matrix Preservatives	
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	353.2 9060 1 353.2 9060 1 365.1 U 82603 88135 801513 801513
MW 02 500 ml plastic 4/22/12 3:45pm 1	
@ MW 1/2 500 ml plastic 4/22/12 3:45pm 1	V Filtered (FIELD)
MW/2 500 ml Amber 4/22/12 3:45pm 1	
2 MW 1/2 500 ml Amber 4/22/12 3:45pm 1	
9MW Ø2 500ml Amber 4/22/12 3:45pm 1	
2MW 02 500ml Amber 4/22/12 3:45pm 1	V Filtered (Field)
@MW Ø 2 250m Amber 4/22/12 3:45pm 1	
MW 02 40m1 VOA 4/22/12 3:45pm 3	
MW 02 40 ml VOA 4/22/12 3:45pm 3	met any thank then of
MW \$ 2 40 ml VOA 4/22/12 3:45pm 3	methane/ethane/ether
MWØ2 40ml VOA 4/22/12 3:45pm 3	, , ,
MW02 40ml VOA 4/22/12 3:45pm 3	
Possible Hazard Identification Sample Disposal	(A fee may be assessed if samples are retained
	Archive For Months longer than 1 month)
Turn Around Time Required QC Requirements (Specify 24 Hours 48 Hours 7 Days 14 Days 21 Days 10 Other 15 Hours	fy)
1. Relinquishg	Date (S) C (1 Time
The Office 4/23/12/0:00a	7 14/24/12 900
2. Relinquished By Date Time 2. Received By	Date
3. Relinquished By Date Time 3. Received By	Date Time
Comments	

Login Sample Receipt Checklist

Client: U.S. Geological Survey

Job Number: 280-28076-1

List Source: TestAmerica Denver

Login Number: 28076

List Number: 1

Creator: Cofoid, Stephen T

Question	Answer Comment	
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or ampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and he COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
/OA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: U.S. Geological Survey

Job Number: 280-28076-1

Login Number: 28076 List Number: 1

Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh List Creation: 04/27/12 11:20 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	